

Pipe Conversion Factors



Standard Weight Pipe Columns

Nominal Nominal Dia. (Inches)	Wall Thickness (Inches)	A/P Value	Metric Designation (millimeters)	M/D Value	Hp/A Value	Square Ft. / Lin. Foot	Square M. / Lin. Meter
3	0.216	0.2	89 x 5.5	38.0	204.9	0.916	0.279
4	0.237	0.22	102 x 6.0	45.0	173.0	1.18	0.360
5	0.258	0.25	141 x 6.6	49.4	157.8	1.46	0.445
6	0.28	0.27	168 x 7.1	53.8	144.8	1.73	0.527
8	0.322	0.31	219 x 8.2	59.0	132.0	2.26	0.689
10	0.365	0.35	273 x 9.3	70.7	110.1	2.81	0.856
12	0.375	0.36	324 x 9.5	73.0	106.7	3.34	1.018

Extra Strong Pipe Columns

Nominal Diameter (Inches)	Wall Thickness (Inches)	A/P Value	Metric Designation (millimeters)	M/D Value	Hp/A Value	Square Ft. / Lin.	Square M. / Lin.
3	0.3	0.27	89 x 7.6	51.3	151.8	0.916	0.279
4	0.337	0.31	102 x 8.6	62.0	125.6	1.18	0.360
5	0.375	0.35	141 x 9.5	70.2	111.0	1.46	0.445
6	0.432	0.4	168 x 11	81.0	96.2	1.73	0.527
8	0.5	0.47	219 x 12.7	94.5	82.4	2.26	0.689
10	0.5	0.48	273 x 12.7	95.6	81.4	2.81	0.856
12	0.5	0.48	324 x 12.7	96.4	80.8	3.34	1.018

Double Extra Strong Pipe Columns

Nominal Diameter (Inches)	Wall Thickness (Inches)	A/P Value	Metric Designation (millimeters)	M/D Value	Hp/A Value	Square Ft. / Lin.	Square M. / Lin.
3	0.6	0.5	89 x 15.2	95.0	82.0	0.916	0.279
4	0.674	0.57	102 x 17.1	114.0	68.3	1.18	0.360
5	0.75	0.65	141 x 19.1	130.3	59.8	1.46	0.445
6	0.864	0.75	168 x 21.9	150.7	51.7	1.73	0.527
8	0.875	0.79	219 x 22.2	157.7	49.4	2.26	0.689

The A/P ratios herein were obtained utilizing the formula as listed in the UL Design. The square foot factors are theoretical based on the dimensions of the shape.